

Substitute for Form PTO-1390 TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE ATTORNEY'S DOCKET NUMBER 034279-011
INTERNATIONAL APPLICATION NO. PCT/GB2004/002625		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 107561594
INTERNATIONAL FILING DATE 21 June 2004 (21.06.2004)		PRIORITY DATE CLAIMED 20 June 2003 (20.06.2003)
TITLE OF INVENTION BIREFRINGENT PHOTONIC BANDGAP OPTICAL WAVEGUIDE		
APPLICANT(S) FOR DO/EO/US WILLIAM, David Philip; BIRKS, Timothy Adam; and SABERT, Hendrik		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission to items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (22) indicated below. 4. <input type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). 		
Items 11 to 21 below concern document(s) or information included:		
<ol style="list-style-type: none"> 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A FIRST preliminary amendment. 14. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A change of power of attorney and/or address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. 1.821 - 1.825. 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: <u>General Authorization For Petitions For Extensions of Time and Payment of Fees; and Application Data Sheet</u> 		

U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/561594	INTERNATIONAL APPLICATION NO. PCT/GB2004/002625	ATTORNEY'S DOCKET NUMBER 034279-011
		CALCULATIONS PTO USE ONLY
21. <input checked="" type="checkbox"/> Applicant(s) requests that the published application include the following assignment information: <u>Crystal Fibre A/S, Birkerød, Denmark</u>		
22. <input checked="" type="checkbox"/> The following fees are submitted:		
Basic Filing Fee (1631)		\$ 300.00
Surcharge of \$130.00 (1617) for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)).		<input type="checkbox"/> 20 <input type="checkbox"/> 30
CLAIMS	NUMBER FILED	NUMBER EXTRA
Total Claims	34	-20 = 14
Independent Claims	3	- 3 = 0
MULTIPLE DEPENDENT CLAIM(S) (if applicable)		+ \$360.00 (1616)
Examination Fee		+ \$200.00 (1633)
Search Fee		+ \$400.00 (1432)
App. Size Fee (add \$250.00 for each add'l 50 sheets exceeding 100 sheets)		\$ 0.00
TOTAL OF ABOVE CALCULATIONS =		\$ 1,600.00
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.		+ \$ 0.00
		SUBTOTAL = \$ 1,600.00
Processing fee of \$130.00 (1618) for furnishing the English translation later than months from the earliest claimed priority date (37 CFR 1.492(f)).		<input type="checkbox"/> 20 <input type="checkbox"/> 30 \$ 0.00
		TOTAL NATIONAL FEE = \$ 1,600.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 (8021) per property +		\$ 40.00
		TOTAL FEES ENCLOSED = \$ 1,640.00
		Amount to be refunded : charged :
a. <input type="checkbox"/> A check in the amount of _____ to cover the above fees is enclosed.		
b. <input type="checkbox"/> Please charge my Deposit Account No. <u>02-4800</u> in the amount of _____ to cover the above fees. A duplicate copy of this sheet is enclosed.		
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>02-4800</u> . A duplicate copy of this sheet is enclosed.		
d. <input checked="" type="checkbox"/> Charge <u>\$ 1,640.00</u> to credit card. Form PTO-2038 is attached.		
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.		
SEND ALL CORRESPONDENCE TO: Buchanan Ingersoll PC Including attorneys from Burns, Doane, Swecker & Mathis P.O. Box 1404 Alexandria, Virginia 22313-1404 (703) 836-6620		
 SIGNATURE <u>William C. Rowland</u> NAME <u>William C. Rowland</u> REGISTRATION NO. <u>30,888</u> DATE <u>December 20, 2005</u>		